

If the dartboard above is used to model an atom, which dart indicates where the protons and neutrons are located?

- A** Dart W
- B** Dart X
- C** Dart Y
- D** Dart Z

Press the corresponding button for your response and click send.

AND

In your interactive notebook, write the rationale for your answer.

Remember: you only have 5 minutes.



Science and Technology

Jeanine Wilson

*Secondary Educational
Technology Team*



Objective

- *Student Engagement*

- *LLTW*

5E Model Lesson

Suggested technology tools to use for each stage of instruction:

- ENGAGE – [video](#) or audio, survey with [clickers](#) or text message
- EXPLORE – labs, interactive activities, [animation](#)
- EXPLAIN– document camera, smart board
- ASSESS – [survey](#), revisit survey, discussion forum
- ELABORATE – online activities, [blog entries](#), graphic organizer
- Enrichment– interactive lessons, video or audio
- ASSESS (Summative) – PowerPoint, video, animation, [podcasts](#). Assign student roles: (content layout), (video design), (audio design***have them give you lyrics)



What can you use now?

- **Computer/Laptop**
- **Document Camera**
- **Podcasts**
- **Internet sites**
- **Interactive Whiteboard**
- **Calculator**
- **HISD Online Resources**
- **MP3 Players**
- **Video camera**
- **Tape recorder**
- **Palm Pilots**
- **Cell phones**



Animation/Simulation

[Sumo Paint](#)

A free image editing software that gives you the opportunity to create and edit Images online.

[ToonDo](#)

Create your own comic strips. Lots of backgrounds, characters and props to choose from. Save favorites and search by tag to see what others have created.

[Animasher](#)

Create animated films with some very easy to use tools.

[FluxTime
Studio](#)

An online animation tool for kids

[GoAnimate](#)

Easy to use animation tool with soundtracks, multiple characters and backgrounds to choose from.

[Moovi](#)

Draw, animate and apply physical properties to objects in order to bring their pictures and words to life. Let them discover what happens when they make a ball even bouncier, a hippo even heavier or the word shiver actually shiver."

[Phun](#)

Downloadable drawing, painting, animation and creativity tool

[PicTabs](#)

Draw and animate!

[Xtranormal](#)

"If you can type, you can make a movie." (They are right!) Beta version is free.



Collaborative Tools

[Gaggle](#)

Private platform for teachers and students that allows students to have email accounts, digital lockers, and discussion forums

[Word Press](#)

A free and open source blog publishing application.

[Blogging With Revilla](#)

Blogging Site (*Example*)

[Mr. De Leon's Science Blog](#)

Blogging Site (*Example*)

[Mr. Casas' 6th Grade Science Class](#)

Blogging Site (*Example*)

[Class](#)

[Wikispaces](#)

Simple web pages that groups, friends, and families can edit together

[Edmodo](#)

Private microblogging platform that teachers and students

[Blogger](#)

Free blog hosting site that is free and customizable

[Weebly](#)

A website / blog-host called Weebly that offers free blog hosting and other tools to support you with.



Graphic Organizers/Mind Maps

Bubble.us	Create notes and create mindmaps online as a collaborative tool.
Exploratree	A free web resource where you can download, use and make your own interactive thinking guides.
FreeMind	Open source mind mapping software written in Java
Glinkr	Collaborative mindmapping tool.
MeadMap	Organize, take notes, diagram, collaborate on research.
Mind42	(mind for two) Collaborative mindmapper
MindMeister	A collaborative online mindmapping tool.
Mindomo	Another collaborative online mindmapping tool
WikiMindMap	Map relationships between wikipedia terms--good research starter
Wisdomaps	"A wisdomap has three areas: a mind map, articles and resources. Combining these areas creates a powerful format to organize information in an uncluttered way."
WiseMapping	Online mindmapping tools
Alpoy	Avatar creator and animator
Sloodle	3D learning management system project





Graphing Tools

[Create a Graph](#)

Generate 5 different kinds of graphs from your own data

[MindMeister](#)

A collaborative online mindmapping tool.

[Gliffy](#)

Draw, share and edit flow charts, diagrams, technical drawings.

[Scriblink](#)

An online collaborative whiteboard



NoteTaking

[Google](#)
[Notebook](#)

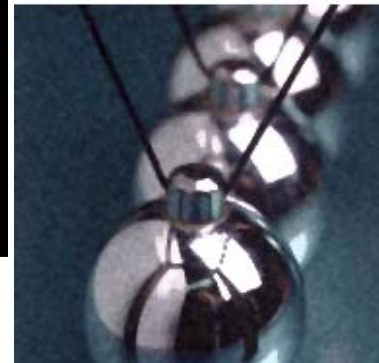
Clip and collect information as you browse the web.

[GradeGuru](#)

For college students to share notes, give each other feedback and engage in collaborative learning

[Imagination](#)
[Cubed](#)

Draw with friends - interactive whiteboard





Publishing Tools

[Blubrry](#)

Create and distribute your podcasts here.

[ClickCaster](#)

Create, broadcast and sell your very own radio shows and podcasts. You can record audio right from your browser or upload an existing audio files.

[KidCast.com](#)

Find, create and store your podcasts here; podcasts are reviewed before posting. A safe site for kids.

[Gabcast.com](#)

Another free service that allows you to record a podcast using your phone or VoIP.

[ProfCast](#)

Turn your Powerpoint presentation into a podcast and publish it to iTunes. Free trial. (downloadable software)

iTunes

A proprietary digital media player application, used for playing and organizing digital music and video files.



Surveys and Polls

These resources allow you to design online surveys, collect responses, analyze them and finally present the survey results. Many of these allow responses via text messages.

<u>99polls</u>	<u>Fo.reca.st</u>	<u>PollDaddy</u>
<u>Advanced Survey</u>	<u>The Free Site</u>	<u>PollEverywhere</u>
<u>AskItOnline</u>	<u>Free Website Polls</u>	<u>ProProfs Quiz School</u>
<u>ClassTools.net</u>	<u>GoToPoll</u>	<u>CHNM Poll Builder</u>
<u>Cool Surveys</u>	<u>HotPotatoes</u>	<u>SnapPoll</u>
<u>Doodle</u>	<u>Learning Impulse</u>	<u>Survey Gizmo</u>
<u>eQuizzer</u>	<u>Survey Scholar</u>	<u>SurveyGold</u>
<u>ESL Video Quiz Builder</u>	<u>Survey Methods</u>	<u>Survey Popups</u>
<u>Toluna</u>	<u>Visu</u>	<u>Zoho Challenge</u>



Interactive Whiteboards

- ***What***
- ***So what***
- ***Now what***



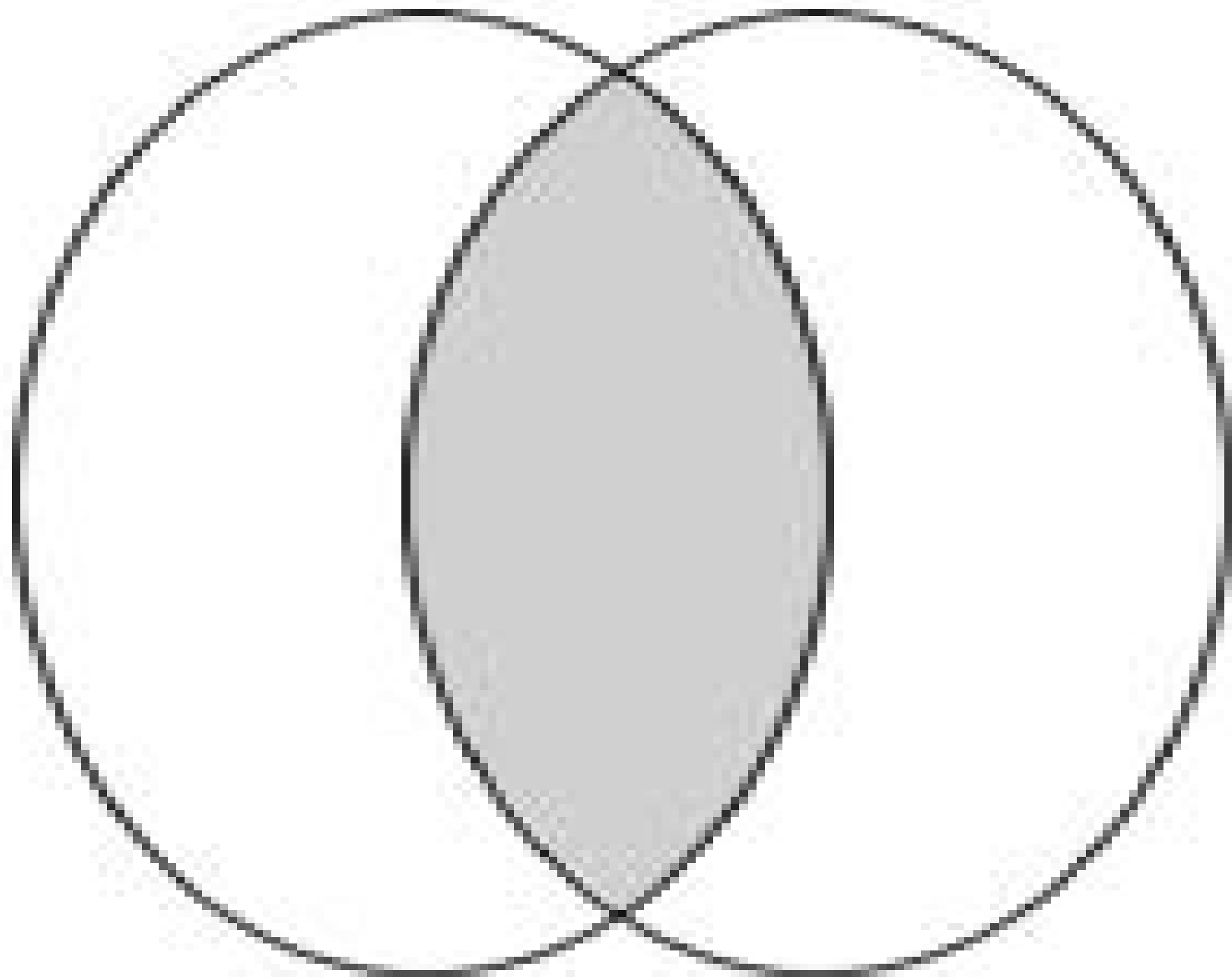


Graphic Organizer

Students will work in small groups of three or four for the this activity. Give them the following list to be entered into a Venn diagram where the circles are labeled ABIOTIC, BIOTIC, and the intersection is labeled THINGS IN COMMON.

LIST: Whale, Clock, Water, Fish, Paper, Glass, Aluminum, Wooden Ruler, Sand, Clouds, Corpse, Snail, Steak, Pork Chops, Salad, Bread, Plant, Hair, Finger Nails, Pipe, Cotton Material, Wool, Gold, Plastic, Grapes, and Air. (The intersection is to be left blank at this time)





Multimedia

- *What*
- *So what*
- *Now what*

How Stuff Works

Earth Systems



Clip 1

*Draw a
picture if
necessary*

Clip 2

- 1.
- 2.
- 3.
- 4.

Clip 4

*Draw a
picture if
necessary*

- 1.
- 2.
- 3.
- 4.

Earth Systems

Clip 3

- 1.
- 2.
- 3.
- 4.

*Draw a
picture if
necessary*

*Draw a
picture if
necessary*

- 1.
- 2.
- 3.
- 4.

Interactive Websites

- *What*
- *So what*
- *Now what*





Mouse Genetics *Cell Models*

Polygon Dissection

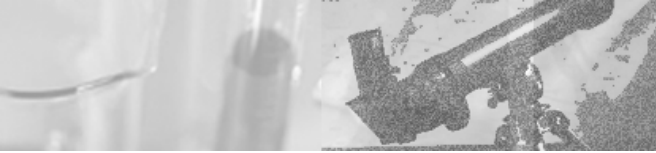
JSH EDUCATION

Periodic Table

Human Anatomy



Big Ideas



Group #1

1. What did you do yesterday/last week?
2. What can you do differently?
3. Share

Group #2

1. Review HAPG
2. What can you do differently?
3. Share



Poll Everywhere

#1 - Three tools we looked at today

#2 - Two things you learned today

#3 - One thing you will immediately use

